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Artificial Intelligence in the Rehabilitation of Prisoners: A Challenges to the Criminal Justice System

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ABSTRACT

Prisoner rehabilitation is a debated issue in the criminal justice delivery system. Rehabilitation of prisoners can reduce recidivism and facilitate their reintegration into society. In the present era, artificial intelligence (AI) can transform the rehabilitation efforts of prisoners in India. Prisoners face various issues living in society, such as a lack of financial resources, overcrowding, and a lack of rehabilitation programs. The working method of AI can help rehabilitate prisoners, lowering the recidivism rates in India. Psychological testing, vocational training, and individualized rehabilitation programs are the main aspects of prisoner rehabilitation. Artificial intelligence includes various tools, such as language processing, machine learning, and predictive analytics, to help with psychological testing, vocational training, and rehabilitation programs. The authorities can't understand the psychological facts and inmate behavior of prisoners. AI-based learning: the concept of virtual reality can provide skill-building courses to prisoners so that they can rehabilitate themselves in society after their release. Counselling programs and awareness of legal aid programs provide a supportive hand to the prisoners. AI can provide different types of counseling programs based on the prisoners' psychological behavior. The various other aspects of rehabilitation programs, such as AI-generated courses, can lead prisoners to live in society in a dignified manner. All these aspects will be discussed in this research paper.

Keywords: Artificial Intelligence, Prisoner Rehabilitation, Criminal Justice System, Virtual Reality, Innovation.

INTRODUCTION

In modern era, AI is used as an effective means to tackle the problem of providing law and order in the society. The concept of AI helps the police to know the locations of the accused and helps the courts to grant bail as humans can manipulate the evidence as per their choices of theirs but technology never does that. In the modern era when it is witnessed by the people during the COVID Period AI helps the law enforcement agencies like police, courts, or CBI to maintain law and order across their jurisdiction. In the 21st century, where the crime has taken different shapes as compared to the traditional way of conducting crime against the society. The form of crime is in the technological period then the traditional system to maintain the criminal justice system is in no way better result. Now cyber-crime is increasing day by day with help of the AI tools. To catch such crimes the police must take the help of AI to investigate the case. It not only helps in the investigation but also helps the accused to mix up with society by way of rehabilitation. In the "Criminal Justice Delivery System", the holistic approach to justice is the priority. For that approach, there must be a balance between retribution and rehabilitation of the accused. (Sudhakaran, S. 2020)

Role of AI in Prisoner Rehabilitation in India

Merging Artificial Intelligence (AI) with prisoner rehabilitation programs can change India's "criminal justice system" by bringing technology-driven and personalized approaches to inmate reform and recidivism reduction. AI technology can improve rehabilitation in risk evaluation, customized learning, vocational education, counseling, behavioral tracking, and reintegration, as well as predicting and preventing recidivism. Considering the infrastructure and socio-economic hurdles of the Indian prison system, there is significant potential for AI-powered initiatives to fill these gaps and develop a more effective humane rehabilitation approach.

AI for Behavioral Analysis and Risk Assessment

Understanding individual behavioral patterns and recidivism risk is one of the most important factors in the rehabilitation of prisoners. Using machine learning algorithms, AI-powered risk assessment tools can quickly analyze large amounts of data such as prior criminal records, socioeconomic backgrounds, psychological evaluations, and behavioral tendencies to predict the likelihood of reoffending. A prisoner commits a normal crime, a serious crime, and a heinous crime. So, what was his mental state while committing the crimes, and what kind of risk was he taking? AI plays an important role in estimating all these things. When it is determined by AI which prisoner is taking what kind of risk of crime, then based on the ideas of those different prisoners, by dividing them and making them participate in different schemes, new ways of release are opened for them, and in all this, artificial intelligence has a very important

role which cannot be denied, although it has some side effects too, which will be discussed in further research.(*Hayat, P.* 2019)

Personalized Rehabilitation Programs

Every prisoner has different needs and conditions. If we talk about traditional rehabilitation, it becomes difficult to understand the needs and conditions of every prisoner. By introducing artificial intelligence into the prison system or the criminal justice system, the learning ability of each prisoner can be assessed based on his interests and past behaviour by looking at his psychological condition. Through artificial intelligence, the abilities of each prisoner can be analysed, and based on his specific rehabilitation needs, his skills can be developed through curriculum, therapy methods, and educational material. With these programmes, when the prisoners are released from jail, they can live like a normal person.

AI-Powered Mental Health Support

Whatever prisoners go to jail for punishment, whether that punishment is for a short time period or for a long time or they have been sentenced to death, then their behavior is bound to change. Their way, their style. Their behavior with their fellow prisoners, their ideology in the form of their face, does not match them somewhere. With the help of AI, different facilities of Prism can be promoted through camera or through voice assistant. When counseling will be arranged for them from time to time. They will be helped in understanding their mental problems. They will be helped in understanding their facial expressions and in this way, when they get such facilities, their stress will go away and they will start living with a good relationship with their colleagues. Many times, a person becomes a victim of so much mental stress inside the jail that he even starts committing suicide. It becomes a system for them that if they commit suicide, they will be free from this life. He wants to get away from the problems of his family and from the confinement of prison. The suicide warning given to the prisoners before time can be understood. Efforts can be made to stop the violence that takes place among the prisoners and with the help of AI, a safe prison environment can be provided to them.(*Benda, B. B., & Toombs, N. J.* 2002)

AI in Training Program and Skill Development

Employment and economic stability are the most important factors for any person. To avoid resistance, if the prisoners in jail are financially supported and get employment opportunities, then they can be free from any problem and their rehabilitation can be done with the help of vocational training programs so that their industry-related skills can be awakened so that when they go out of jail, they can get job opportunities. With the help of AI, new avenues of jobs will start opening for them because when they do vocational training in the jail itself and become a part of skill announcement courses, then they will not have to face any kind of financial problems when they go out of jail. For example, AI-enabled Virtual Reality and Augmented Reality are two such concepts in which training is given in the matter of automobile repair, carpentry, digital marketing, and software development and this training is given through IK programming. After this training, when a prisoner goes out of jail, he will get full employment opportunities and he will not have to face any kind of financial problems. Along with this, they can also be trained as counselling psychologists. If a person has the skills and qualifications, then he can fight all ups and downs of life because he gets freedom from his financial problems, in this way, he can help prisoners in a great way to get employment and freedom from financial problems and can help them in rehabilitation.(*Piquero, A. R., DeLisi, M., & Vaughn, M. G.* 2017).

AI for Enhancing Efficiency in Prison Management

AI can also improve overall prison management and administration by optimizing resources, automating inmate tracking, and improving security. AI-powered biometric identification systems can reduce identity fraud among inmates, while AI-driven predictive maintenance can enhance prison infrastructure by identifying potential issues before they escalate.AI chatbots and virtual assistants can handle routine administrative tasks, such as managing inmate queries, assisting with grievance redressal, and providing information on rehabilitation programs, thereby reducing the burden on prison staff.(*Boxer, P., Docherty, M. & Veysey, B.* 2017)

AI and its challenges to the Criminal Justice System: Way forward

Artificial Intelligence has brought a new challenge to the “criminal justice system”. The researchers call it a challenge in the sense that earlier crimes were committed manually, but in this era of Artificial Intelligence, the number of crimes has increased a lot. They have become more talented. Their intelligence has become more developed. Earlier they had to plan to commit a crime, but now in this era of AI, criminals do not have to work hard. They can commit any crime very well without planning. In today's era of technology, where waking up in the morning is done with a mobile, and sleeping at night is done with a mobile. Without Google, the person cannot work even for 1 minute. Our intelligence, our creativity, everything has started to fade away and in this era of AI where our creativity has vanished, criminals, offenders, and prisoners have got a new opportunity to commit crimes in different new ways. The work of AI is of much higher quality than the work done by humans and the ability of humans to think and understand has also been destroyed. If we do not control it in time, then it will influence the human being and the human being will start becoming a slave of the AI. (*Brigham, K.* 2019)

In the last few years, the description of artificial intelligence has increased a lot. It is a subject on which attention is being paid and discussion is being done on its use in different fields. There are many areas where artificial intelligence is bringing very positive results, including the criminal justice system. AI has a very important role in the efforts to reduce the number of recidivisms among the people in jail. Talking about reform, AI is being used to understand the management of prisoners inside the jail and their thoughts and to improve their way of living. Through this, the psychological texts of any person can be understood in this field. It becomes very important to understand the mood of any prisoner, and this work can be done very well through artificial intelligence.

Unlike more developed nations like the United States, India has not yet seen widespread use of artificial intelligence to address its more fundamental concerns. When it comes to granting bail and even when it comes to sentences, judges in the United States have leaned on artificial intelligence. On the other hand, the "risk of recurrence," also known as the possibility of committing another offence, is something that is still subjective and cannot be accurately recorded with the use of artificial intelligence. One potential answer would be to improve the accuracy of artificial intelligence to the point where it becomes minimal or reckless to better capture the biases that are inherent in human behaviour. If the firms who develop the software perform extensive research on bias in artificial intelligence and the impacts of employing AI in the administration of "criminal justice," then this is something that can be accomplished. Additionally, it is essential to incorporate a wide variety of stakeholders in the development of software to ensure that the algorithm can accommodate a variety of points of view. Even though artificial intelligence is here to stay, the issue that it poses is not only for the legal system but also for the entire technology industry.

Behan discovered that a suitable educational environment can drive offenders to turn away from illegal activities and foster critical thinking. However, as Flynn and Higdon (2022) point out, although prison education has long been burdened with the obligation of delivering degrees and influencing recidivism rates, the current delivery systems typically fail to accomplish these transformative goals. This highlights the necessity of reevaluating how these educational services are implemented. Education in correctional facilities not only allows offenders to acquire fundamental and practical skills, but it also plays a significant part in the psychological and social rehabilitation of those who are jailed. When it comes to vocational education programmes in correctional facilities, the most effective components are those that emphasise human development rather than simply the learning of marketable skills. It appears from this that the genuine worth of education in the field of rehabilitation may lie in its capacity to encourage a more profound personal development among incarcerated individuals, so better preparing them for life once they have been released from prison. There is a high possibility that the introduction of artificial intelligence (AI) may bring about a transformation in the way education is provided within the confines of our correctional facilities. Using artificial intelligence, learning experiences can be personalised based on individual learner profiles, which has the potential to overcome traditional hurdles such as high class sizes and limited teacher availability. Not only does this personalised approach make instructional content more accessible, but it also makes it more engaging for convicts, which can dramatically increase the effectiveness of educational programmes (*Monica & Geeta*, 2024). Gawande (2022) emphasises the importance of incorporating contemporary technology such as artificial intelligence to expand educational programmes, make them more effective and widespread, and meet the requirements of every correctional facility inmate. (*Gawande*, 2022)

Artificial intelligence has a very special role in conducting the education and medical programmes of the prisoners living in jail in a good manner. If we talk about prisoners, then by using the AI techniques to understand their intelligence, they can get individual education according to their educational needs and interests. The type of education they will be interested in can be given to them. It becomes very difficult for the common man to understand all this, but the purpose of these educational tools through artificial intelligence is that it can be possible for prisoners to live their life in society after being released from jail. Artificial intelligence is a medium that, if understood and used, can prevent the recurrence of crimes of prisoners living in jail. By participating in any type of program in the jail, the prisoners can develop themselves well, which also develops their mental ability. By participating in different types of programs in the jail, they can acquire skills and technical ability so that when they are released from jail, they can again be able to earn a living for their family members. So that the person does not have to get involved in any crime and is seen as a dignity by the people of the society, AI plays a very important role in all this, but along with using this tool, some problems also arise that need to be overcome.

CONCLUSION

Artificial intelligence has a very big role in all this. The government should keep making efforts related to this so that the criminal justice system of India becomes an example in the whole world. There should be a justice system in India that can improve the criminal justice system, and the criminal justice system should also be established in such a way that data can be handled efficiently and is controlled by humans. It is not that you give full control to artificial intelligence so that it can tamper with the data. Whenever data is controlled by artificial intelligence, it must be monitored by humans. In today's criminal justice system, adding artificial intelligence to the process of rehabilitation of

prisoners can improve the rehabilitation system. It is very important to have human monitoring for proper maintenance of data. India wants to build a modern prison system, which can be done through artificial intelligence. If we talk about prisoners serving sentences in jail, then some prisoners are full of talent, but it is necessary to bring out that talent. If their talent can be brought out, then in the future they can become a good citizen and bring glory to the country. In the process of rehabilitation of convicts and the ability to prevent the recurrence of crime, artificial intelligence has it very well. Artificial intelligence is such a medium that if used with precaution, it can improve the prisoner system of our jails to a great extent. It is very important to build a good criminal justice system because when you release a criminal from jail, he has a stigma of being a criminal. His family members also have to face this. It is also worth understanding in what capacity any crime was done and in what circumstances it was done; that should also be understood. If the reason behind the crime is understood and the thinking of man and his psychological state are understood, then it is possible that when this prisoner comes out of jail and he gets proper rehabilitation, then he may not be able to repeat the crime.

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